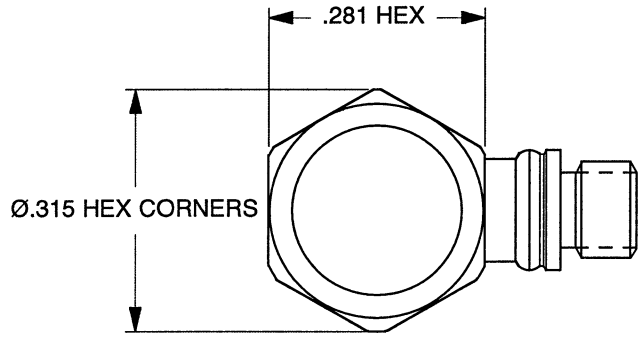
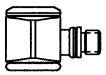
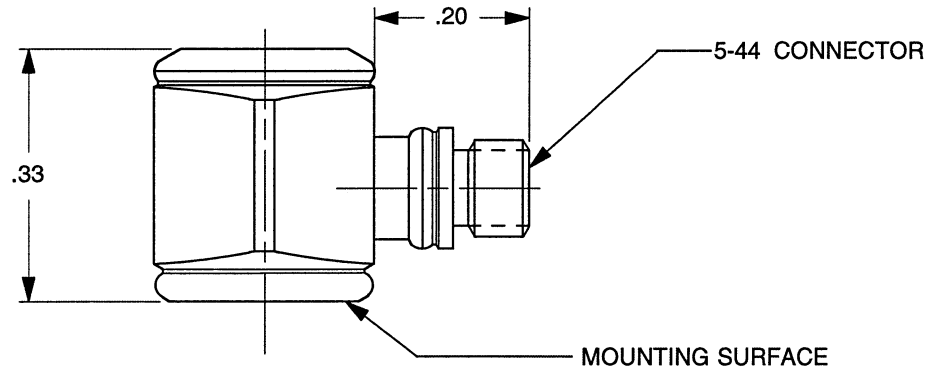




ACTUAL SIZE



1. WEIGHT: 2.3 GRAMS.

DYTRAN INSTRUMENTS, INC.

CHATSWORTH, CA.

SCALE 4X	REV -	DATE -	ECN -		
DATE 2/10/00	PART NO. MODEL 3035CG				
DRAWN N.C. / CHECKED R.A.	MAT'L				
APPROVED 2-10-00	NEXT ASSEMBLY		USED ON		

TITLE

OUTLINE/INSTALLATION DRAWING, MODEL 3035CG CHARGE MODE ACCELEROMETER

DWG NO. **127-3035CG**

SHEET 1 OF 1

SPECIFICATIONS
MODEL 3035CG CHARGE MODE ACCELEROMETER

SPECIFICATION	VALUE	UNITS
PHYSICAL		
WEIGHT	2.3	Grams
SIZE, HEX X HEIGHT	.281 (9/32) X .33	Inches
MOUNTING PROVISION	adhesive mount	
CONNECTOR, RADIALLY MOUNTED	5-44	Coaxial
MATERIAL, HOUSING AND CONNECTOR	300 Series	Stainless Steel
PERFORMANCE		
SENSITIVITY, NOM.[1]	2.5	pC/G
RANGE F.S.	± 500	G's
FREQUENCY RANGE, ± 5%	0.5 to 10k	Hz
RESONANT FREQUENCY, NOM.	45	kHz
LINEARITY [2]	± 1%	% F.S.
TRANSVERSE SENSITIVITY, MAX.	5	%
STRAIN SENSITIVITY	.002	G's/μσ @ 250 μσ
ENVIRONMENTAL		
MAXIMUM VIBRATION/SHOCK	600/3000	± G's/G's PEAK
TEMPERATURE RANGE	-100 to +400	^{O}F
SEAL, HERMETIC	Glass-to-metal and TIG welded	
COEFFICIENT OF THERMAL SENSITIVITY	.03	%/^{O}F
ELECTRICAL		
CAPACITANCE, NOM.	630	pF
OUTPUT SIGNAL POLARITY FOR ACCELERATION TOWARD TOP		Negative
CASE GROUNDING	Case is grounded to electrical power ground	

[1] Measured at 100 Hz, 1 G RMS per ISA RP 37.2.
[2] Measured using zero-based best straight-line method, % of F.S. or any lesser range.